

CHEMISTRY-11	Chapter#02 (Complete) Test-2		
	Name:	Class:	ID:
Date: / /	Marks Total: 25	Marks Obtained:	
Time Allowed: 35 Min.			

Maximum Marks: 09

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- i. The comparative rates at which the solutes move in paper chromatography depend on:
 - (a) The size of paper
 - (b) R_f values of solutes
 - (c) Temperature of the experiment
 - (d) Size of the chromatographic tank used
- ii. The rate of filtration can be increased by using a _____.
 - (a) Filter crucible
 - (b) Filter paper
 - (c) Fluted filter paper
 - (d) None of these
- iii. I_2 dissolves in water in the presence of KI due to the formation of:
 - (a) I_2
 - (b) I^-
 - (c) I_4
 - (d) I_3^-
- iv. Which can be separated by filtration?
 - (a) NaCl + water
 - (b) Sand + water
 - (c) Sugar + water
 - (d) $KMnO_4$ + water
- v. The size of the filter paper used for filtration should be so large that at the end of the process, it is _____ full of precipitates.
 - (a) 1/3 to 1/2
 - (b) 1/4 to 1/3
 - (c) 1/4 to 1/2
 - (d) 1/2 to 1/5
- vi. If the solvent chosen for crystallization is inflammable, _____ should be used for heating the solution.
 - (a) Water bath
 - (b) Sand bath
 - (c) Hot air
 - (d) Thermostat
- vii. Those crystals can be dried in an oven that do not melt or decompose at:
 - (a) $25^\circ C$
 - (b) $100^\circ C$
 - (c) $150^\circ C$
 - (d) $200^\circ C$
- viii. Ether extraction is used to separate the products of _____ synthesis from water.
 - (a) Aqueous
 - (b) Organic
 - (c) Inorganic
 - (d) Biochemical
- ix. In chromatography, the stationary phase may not be a:
 - (a) Solid
 - (b) Liquid
 - (c) Gas
 - (d) Both 'b' & 'c'

Maximum Marks: 16

(SUBJECTIVE TYPE)

Time Allowed: 25 Min.

SECTION-I

Q.2: GIVE BRIEF ANSWERS TO THE FOLLOWING QUESTIONS:

(16)

- i. What are the steps of a complete quantitative analysis?
- ii. Explain filtration process through Gooch crucible.
- iii. Define crystallization.
- iv. Mention the major steps involved in crystallization.
- v. What is the disadvantage of drying the crystals between the folds of filter paper?
- vi. How can naphthalene be purified?
- vii. Differentiate between stationary and mobile phase in chromatography.
- viii. Give some uses of chromatography.